

## Product datasheet for **SC206865**

### **RAD17 (NM\_002873) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	RAD17 (NM_002873) Human 3' UTR Clone
Symbol:	RAD17
Synonyms:	CCYC; HRAD17; R24L; RAD17SP; RAD24
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002873
Insert Size:	539 bp
Insert Sequence:	>SC206865 3'UTR clone of NM_002873 The sequence shown below is from the reference sequence of NM_002873. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATAGAAGACTACGAGAGTGATGGGACATAGAAGCCAGCCTGCTAATCAGATTGCTACTTCACAGCTTCA
TTTTTGTTCATTCAAGTGGTACTTCAGCAGAGTTAATATGCTTTTCTGATGAATTACACAACAGTTTGT
TAATTCTTCATTCTGTAGTATTTATCACAAGAAACCTACTCTTCTGTCATCTTGAAGTAAATAGAAG
ATCAAGCCTTCAAATCTCTTAATTTTTTCGGTATTTATTAATCTGTGAGTGGTTAAGGAGCGGTCAG
TGTGTATAAAGTGTGTTGAACATTATGCCAAATATCAAGATGTGAAGGACTAATTCAGGATGCAAAAA
CGTTATTGGGGGGTGTAAATATCAACTATTCAACAGTTTAGGATGCAATTACGAGTGTAAACTGTGTG
CCTTATTTACACTTTATTGTCTCCCGCTTCTCAGATAGTTTTGATGTGTTGTACAGTGGAATATCTTAG
ATACTTTTGGAAAGTATTTACATAAGTTATATCACAATAAAATGTTGAATTTAA
ACGCGTAAGCGGCCCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_002873.1</a></u>
<b>Summary:</b>	The protein encoded by this gene is highly similar to the gene product of <i>Schizosaccharomyces pombe rad17</i> , a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by the checkpoint kinase ATR following damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation. The phosphorylation of this protein is required for the DNA-damage-induced cell cycle G2 arrest, and is thought to be a critical early event during checkpoint signaling in DNA-damaged cells. Multiple alternatively spliced transcript variants of this gene, which encode four distinct protein isoforms, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified. [provided by RefSeq, Jul 2013]
<b>Locus ID:</b>	5884
<b>MW:</b>	20.7